

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method ~~is performed by~~ a distributed document object model system for associating business logic, comprising:

receiving a registration request from a business logic event handler for an event of the distributed document object model system, wherein the distributed document object model system causes the event to occur when a first modification is made to a hierarchical document;

registering the business logic event handler; and

~~when an~~ if the event occurs,

notifying the business logic event handler;

receiving an indication from the business logic event handler; and

performing a function relating to the received indication, wherein the performed function applies a business rule that causes a second modification to the hierarchical document.

2. (Canceled)

3. (Currently Amended) The method of claim 2-1 wherein the event handler is registered for a document type.

4. (Currently Amended) The method of claim 2-1 wherein the event handler disallows the ~~requested mutation~~ first modification so that the event does not occur.

5. (Currently Amended) The method of claim 2-1 wherein the event handler allows the ~~requested mutation~~ first modification so that the event occurs.

6. (Currently Amended) The method of claim 2-1 wherein event handling is performed on a client computing device.

7. (Currently Amended) The method of claim 2-1 wherein event handling is performed on a server computing device.

8. (Currently Amended) The method of claim 1 wherein the event handler handles an event that is generated when a requested mutation before the first modification is applied made to a the hierarchical document.

9. (Currently Amended) The method of claim 1 wherein the event handler handles an event that is generated after a requested mutation the first modification is applied made to a the hierarchical document.

10. (Canceled)

11. (Canceled)

12. (Currently Amended) The method of claim 11-1 wherein an answer message is sent to a client that requested a mutation the first modification to the hierarchical document that caused the event handler to enforce the business rule that requested caused the mutation second modification to the hierarchical document.

13. (Original) The method of claim 12 wherein a broadcast message is sent to another connected client.

14. (Currently Amended) The method of claim 11-1 wherein the business rule requests causes the mutation second modification to the document without a corresponding request from a client.

15. (Currently Amended) The method of claim 14 wherein a broadcast message is sent to all connected clients indicating the second modification.

16. (Currently Amended) A distributed document object model system for associating business logic, comprising:

a component that receives a registration request from a business logic event handler for an event of the distributed document object model system, wherein the distributed document object model system causes the event to occur when a first modification is made to a hierarchical document;

a component that registers the business logic event handler;

a component that notifies the business logic event handler when ~~an~~ the event occurs;

a component that receives an indication from the business logic event handler; and

a component that performs a function relating to the received indication, wherein the function performed includes applying the business rule, thereby making a second modification to the hierarchical document.

17. (Canceled)

18. (Currently Amended) The system of claim ~~47-16~~ wherein the business logic event handler is registered for a document type.

19. (Currently Amended) The system of claim ~~47-16~~ wherein the business logic handler disallows the requested ~~mutation~~ first modification made to the document.

20. (Currently Amended) The system of claim ~~47-16~~ wherein the business logic event handler allows the requested ~~mutation~~ first modification made to the document.

21. (Currently Amended) The system of claim ~~47-16~~ wherein event handling is performed on a client computing device.

22. (Currently Amended) The system of claim 17-16 wherein event handling is performed on a server computing device

23. (Currently Amended) The system of claim 16 wherein the event handler handles an event that is generated when a requested mutation before the first modification is applied made to a the hierarchical document.

24. (Currently Amended) The system of claim 16 wherein the event handler handles an event that is generated after a requested mutation the first modification is applied made to a the hierarchical document.

25. (Canceled)

26. (Canceled)

27. (Currently Amended) The system of claim 26-16 wherein an answer message is sent to a client that requested a mutation the first modification to the document that caused the event handler to enforce the business rule that requested caused the mutation second modification to the document.

28. (Original) The system of claim 27 wherein a broadcast message is sent to another connected client.

29. (Currently Amended) The system of claim 26-16 wherein the business rule requests causes the mutation second modification to the document without a corresponding request from a client.

30. (Original) The system of claim 29 wherein a broadcast message is sent to all connected clients.